

Memorandum

Date : September 21, 2001
Telephone: (916) 654-4996
File: Los Esteros Rcmd Ltr.doc

To: William J. Keese, Chairman
Michal C. Moore, Ph.D
Robert A. Laurie
Robert Pernell
Arthur H. Rosenfeld, Ph.D

From: California Energy Commission - Steve Larson
1516 Ninth Street Executive Director
Sacramento, CA 95814-5512

Subject: **LOS ESTEROS CRITICAL ENERGY FACILITY - DATA ADEQUACY
RECOMMENDATION (01-AFC-12)**

The Los Esteros Critical Energy Facility (LECEF) AFC (01-AFC-12), originally filed by Calpine c* Power on August 6, 2001, was found to be incomplete at the Business Meeting on August 22, 2001. On September 14, 2001 supplemental material was submitted for the LECEF AFC. Staff has reviewed the supplemental material and now recommends that the AFC be accepted for both the 12-month and the 4-month processes. Staff further recommends processing the application in the 4-month process requested by the applicant.

With the supplemental material submitted, the AFC now meets the requirements of Title 20, § 1704, Appendix B for the 12-month process. Therefore, we recommend that the Energy Commission find the AFC adequate. Supplemental material was submitted in the following areas: Air Quality, Biological Resources, Cultural Resources, Land Use, Noise, Paleontological, Public Health, Socioeconomics, Soil Resources, Traffic and Transportation, Transmission System Engineering, Visual Resources, Waste Management, and Water Resources.

After review of the supplemental material submitted for the AFC using the criteria set forth in Public Resources Code § 25552 (SB 28, Chapter 12, Statutes of 2000) staff now believes it also meets the data adequacy requirements of the 4 month process. We, therefore, also recommend that the Energy Commission find the AFC adequate. Supplemental material for the 4-month process was submitted in following areas: Air Quality, Cultural Resources, Land Use, Noise, Public Health, Soil Resources, Transmission System Engineering, Visual Resources, and Water Resources.

Attached is a summary table and data adequacy worksheets for these technical disciplines.

At the Energy Commission's business meeting on September 25, 2001, I will be recommending that the Energy Commission accept the AFC as Data Adequate, and appoint a committee for the project.

If you have any questions, please call Robert Worl, Energy Commission's Project Manager, at (916) 651-8853.

STEVE LARSON
Executive Director

SL:RW

Attachments

cc: Todd Stewart, Calpine c* Power

**LOS ESTEROS CRITICAL ENERGY FACILITY DATA ADEQUACY DETERMINATION
(12-MONTH AND 4-MONTH DATA ADEQUACY)**

Technical Area	Data Adequacy			
	12-Mo.	Page No.	4-Mo.	Page No.
Air Quality	Yes	1	Yes	6
Alternatives			Yes	8
Biological Resources	Yes	9		
Cultural Resources	Yes	15	Yes	19
Land Use	Yes	20	Yes	25
Noise	Yes	26	Yes	30
Paleontological Resources	Yes	31		
Project Overview			Yes	34
Public Health	Yes	35	Yes	37
Socioeconomics/ Environmental Justice	Yes	38		
Soil Resources	Yes	45	Yes	47
Traffic and Transportation	Yes	48		
Transmission System Engineering	Yes	51	Yes	54
Visual Resources	Yes	56	Yes	61
Waste Management	Yes	63		
Water Resources	Yes	66	Yes	71

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**LOS ESTEROS CRITICAL ENERGY FACILITY
(01-AFC-12)**

September 25, 2001

Adequacy Issue: Adequate **X** Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 01 Date September 7, 2001
 Technical Area: Air Quality Project: Los Esteros Critical Energy Facility Technical Staff: Gabriel D. Behymer
 Project Manager: Robert Worl Docket: 01-AFC-12 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.1.1 (Page 8.1-1) Section 8.1.2 (Page 8.1-3) Section 8.1.3 (Page 8.1-5) Section 8.1.5 (Page 8.1-17) Table 8.1-12 (Page 8.1-25) Table 8.1-13 (Page 8.1-26) Appendix 8.1A Appendix 8.1D	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Letter from the District dated August 23, 2001	No Yes	On August 16, 2001 Gabriel Behymer (CEC) spoke to Dick Wocasek (BAAQMD) who indicated the letter would be ready on Monday, August 20, 2001 at the earliest.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 2.4.1 (Page 2-14) Section 8.1.5.1 (Page 8.1-18) Table 8.1-6 (Page 8.1-22) Table 8.1-7 (Page 8.1-22) Appendix 8.1B	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 2.2.11 (Page 2-10) Section 8.1.6.3 (pg. 8.1-45)	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Section 2.2.8 (pg. 2-9) Section 7.1 (Page 7-1) Figure 7.1-1 (Page 7-7) Table 8.1-8 (Page 8.1-23) Appendix 8.1A Table 8.1-A2, 5 & 7	Yes	

Adequacy Issue:	Adequate <input checked="" type="checkbox"/> Inadequate <input checked="" type="checkbox"/>	DATA ADEQUACY WORKSHEET		Revision No. <u>00</u> <u>01</u>	Date <u>September 7, 2001</u> <u>August 17, 2001</u>
Technical Area:	<u>Air Quality</u>	Project:	<u>Los Esteros Critical Energy Facility</u>	Technical Staff:	<u>Gabriel D. Behymer</u>
Project Manager:	<u>Robert Worl</u>	Docket:	<u>01-AFC-12</u>	Technical Senior:	<u>Keith Golden</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 2.2.10 (Page 2-10) Section 7.4 (Page 7-3) Appendix 8.1A	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 8.1.5.1.2 (Page 8.1-23) Section 8.1.5.2.1 (Page 8.1-24) Appendix 8.1A Table 8.1-A5 Data Adequacy Responses	No Yes	The AFC appears to assume zero startups per year, however no justification or discussion of this assumption is provided. Please provide a detailed analysis of the effects of startup events on the estimated maximum criteria pollutant impacts. Please also provide an estimate, with supporting evidence, of the maximum number of startup events per year.
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 8.1.3 (Page 8.1-5) Table 8.1-2 (Page 8.1-5)	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	CD-ROM	Yes	

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 Technical Area: **Air Quality** Project: Los Esteros Critical Energy Facility Technical Staff: Gabriel D. Behymer
 Project Manager: Robert Worl Docket: 01-AFC-12 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	Yes	The data was not collected on-site.
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 8.1.3 (pg. 8.1-5) Figure 8.1-5a to 9e CD-ROM	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:	-		
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Section 8.1.5.5 (Page 8.1-44) Appendix 8.1D	Yes	

Adequacy Issue: Adequate **X** Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 01 Date September 7, 2001
 Technical Area: Air Quality Project: Los Esteros Critical Energy Facility Technical Staff: Gabriel D. Behymer
 Project Manager: Robert Worl Docket: 01-AFC-12 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 8.1.5.3 (Page 8.1-27) Table 8.1-17 (Page 8.1-36) Appendix 8.1B	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Section 8.1.7 (Page 8.1-50) Appendix 8.1G	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	-		
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Section 8.1.6.3 (Page 8.1-45) Table 8.1-27 (Page 8.1-48)		
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 8.1.6.3 (Page 8.1-45) Appendix 8.1F Data Adequacy Responses	NoYes	Please provide information on each ERC identified for offsetting the project indicating the specific ERC number(s) and the location of the offset source.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Data Adequacy Responses	NoYes	Please provide detailed information on each ERC identified for offsetting the project indicating the method of emission reduction.

Adequacy Issue: Adequate **X** Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 01 Date September 7, 2001
 Technical Area: Air Quality Project: Los Esteros Critical Energy Facility Technical Staff: Gabriel D. Behymer
 Project Manager: Robert Worl Docket: 01-AFC-12 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Data Adequacy Responses	NoYes	Please provide a topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.1-5 (Page 8.1-19)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.1-3 (Page 8.1-9) Table 8.1-5 (Page 8.1-19)	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.1.4.1 (Page 8.1-10) Table 8.1-5 (Page 8.1-9)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.1-3 (Page 8.1-9)	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.1-5 (Page 8.1-19)	Yes	

DATA ADEQUACY WORKSHEET

Adequacy Issue: Adequate **X** Inadequate **X**
 Technical Area: **Air Quality**
 Project Manager: Robert Worl

(Four Month Expedited Process)
 Project: Los Esteros Critical Energy Facility
 Docket: 01-AFC-12

Revision No. 01
 Date September 7, 2001
 Technical Staff: Gabriel D. Behymer
 Technical Senior: Keith M. Golden

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Section 8.1 (pg. 8.1-1) Data Adequacy Responses	NoYes	The current modeled maximum 1-hour NOx impact from the project is 99.2% of the California Standard, however this was apparently calculated assuming zero startup events. Since short-term emissions are elevated during a startup event staff is concerned that the facility could cause Ambient Air Quality Standard (AAQS) violations during startup. Please provide a modeling analysis of the facility including a startup event.
§25552(e)(2) (All)	[a]ssure protection of public health and safety;	Section 8.1 (pg. 8.1-1) Appendix 8.1D Appendix 8.1G Data Adequacy Responses	NoYes	The Cumulative Impact Analysis indicates a possible violation of AAQS due to recently approved projects in the area. Though the analysis is significantly conservative, the applicant provided insufficient information to substantiate the claim that there is no significant interaction between the proposed project's emissions and the emissions from the projects included in the analysis (footnote #2 to Table 8.1-29). Please provide sufficient technical justification and/or propose project design modifications (e.g. increased stack height or more efficient emissions controls) to assure the protection of public health and safety.
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Table 8.1-5 (pg. 8.1-19)	Yes	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;	Section 8.1.6.3 (pg. 8.1-48)	Yes	The only Air Quality issue that could delay the project significantly is the timely acquisition of Emissions Reduction Credits (ERC). The applicant has indicated that they currently own sufficient ERC to fully offset the project.

DATA ADEQUACY WORKSHEET

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: Air Quality
 Project Manager: Robert Worl

(Four Month Expedited Process)
 Project: Los Esteros Critical Energy Facility
 Docket: 01-AFC-12

Revision No. 01 Date September 7, 2001
 Technical Staff: Gabriel D. Behymer
 Technical Senior: Keith M. Golden

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			
§25552(e)(5)(A) (Project Overview)	[t]hat the thermal powerplant will cease to operate and the permit will terminate within three years; or	N/A	Yes	See §25552(e)(5)(B) below.
§25552(e)(5)(B) (Air Quality)	[t]hat the thermal powerplant will be recertified, modified, replaced, or removed within a period of three years with a cogeneration or combined-cycle thermal powerplant that uses best available control technology and obtains necessary offsets, as determined at the time the combine-cycle thermal powerplant is constructed, and that complies with all other applicable laws, ordinances, and standards;	Section 2.2.2 (pg. 2.4)	Yes	
§25552(e)(6) (Air Quality)	Where applicable, that the thermal powerplant will obtain offsets or, where offsets are unavailable, pay an air emissions mitigation fee to the air pollution control district or air quality management district based upon the actual emissions from the thermal powerplant, to the district for expenditure by the district pursuant to Chapter 9 (commencing with Section 44275) of Part 5 of Division 26 of the Health and Safety Code, to mitigate the emission from the plant. To the extent consistent with federal law and regulation, any offsets required pursuant to this paragraph shall be based upon a 1:1 ratio, unless, after consultation with the applicable air pollution control district or air quality management district, the commission finds that a different ratio should be required.	Section 8.1.6.3 (pg. 8.1-45) Appendix 8.1F	Yes	

Adequacy Issue:	Adequate <input checked="" type="checkbox"/> Inadequate <input checked="" type="checkbox"/>	DATA ADEQUACY WORKSHEET		Revision No.	01	Date	08-14-01 08-28-01
Technical Area:	<u>Alternatives</u>	Project:	<u>Los Esteros Critical Energy Facility</u>	Technical Staff:	<u>Robert Worl</u>		
Project Manager:	<u>Robert Worl</u>	Docket:	<u>01-AFC-12</u>	Technical Senior:	<u>Paul Richins</u>		
(Four Month Expedited Process)							

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;		N/A	
§25552(e)(2) (All)	[a]ssure protection of public health and safety;		N/A	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;		N/A	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;		N/A	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			
§25552(e)(5)(A) (Project Overview)	[t]hat the thermal powerplant will cease to operate and the permit will terminate within three years; or		N/A	
§25552(e)(5)(B) (Air Quality)	[t]hat the thermal powerplant will be recertified, modified, replaced, or removed within a period of three years with a cogeneration or combined-cycle thermal powerplant that uses best available control technology and obtains necessary offsets, as determined at the time the combine-cycle thermal powerplant is constructed, and that complies with all other applicable laws, ordinances, and standards;	§ 1.1, page 1-1 § 2.2.2, pages 2-4, 2-5 § 2.3; Supplement	No Yes	Please provide clear statement regarding the time frame for Phase II within the 3 year time frame of

X

DATA ADEQUACY WORKSHEET

1

Date 9/17/01

Biological Resources

Project: Los Esteros Critical Energy Facility

Technical Staff:

Julie Colyer
Natasha Nelson

Robert Worl

Docket: 01-AFC-12

Technical Senior:

Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Section 1.5.4, Page 1-6; and, Section 8.2.1.1, Pages 8.2-2 and -3 Impacts: Section 1.5.4, Pages 1-6 and -7; Section 8.2.1, Page 8.2-1; Section 8.2.1.3, Pages 8.2-8 and -9; Section 8.2.2, Pages 8.2-11 to -16; Table 8.2-2, Page 8.2-13; and, Section 8.2.4, Page 8.2-18 Mitigation & Monitoring: Section 8.2.2.2, Page 8.2-12; Section 8.2.3, Pages 8.2-16 to -18; Appendix 1.0, Pages 22 to 29; and, Appendix 8.2C	Yes Yes Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional bio overview and discussion: Section 8.2.1.3, Pages 8.2-3, -8 and —9; and, Supplemental filing September 14, 2001. 1:100,000 scale map & sensitive species: Figure 8.2-2; and, Figure 8.2-3	NoYes Yes	Staff was provided with a discussion of sensitive biological resources, but not a regional overview of biological resources. Please provide a regional overview of biological resources.

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/17/01

Technical Area: **Biological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Julie Colyer
Natasha Nelson

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, den or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	<p>1:6000 scale maps and discussion: Section 8.2-1, Pages 8.2-1 to -11; Figure 8.2-1; and, Figure 8.2-2; and, Supplemental filing September 14, 2001.</p> <p>Maps of project region out to one mile: Figure 8.2-2</p> <p>List of species seen during field surveys: Section 8.2, Page 8.2-2; and, Section 8.2, Page 8.2-8</p> <p>List of species with a potential to occur: Table 8.2-1, Pages 8.2-4 to -7</p>	<p>NoYes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>Please provide a discussion of wildlife corridors within or near the project site (i.e. Coyote Creek) and discuss what species (terrestrial and aquatic) are expected or known to use these migration corridors.</p> <p>In addition, please provide a discussion and map(s) of any known breeding areas (i.e. burrows, dens, nesting sites, etc.) at the proposed project and related facilities, out to a mile from the site and 1,000 feet from the outer edge of linear facility corridors.</p>

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/17/01

Technical Area: **Biological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Julie Colyer
Natasha Nelson

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Avoidance measures: Section 8.2.2.4, Pages 8.2-16 to -18; Table 8.2-3, Pages 8.2-19 to -21; Appendix 1.0, Pages 22 to 29; and, Appendix 8.2C	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures: Section 8.2.2.4, Pages 8.2-16 to -18; Table 8.2-3, Pages 8.2-19 to -21; Appendix 1.0, Pages 22 to 29; and, Appendix 8.2C; and, Supplemental filing September 14, 2001	NoYes	No discussion was provided for off-site mitigation. Please provide a discussion of any off-site mitigation considered for the project and related facilities (i.e. for habitat and/or foraging loss). If off-site mitigation is excluded as a form of mitigation, please thoroughly discuss the basis for this conclusion.
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Educational programs: Section 8.2.3.1, Page 8.2-17; Appendix 1.0, Pages 22 and 26; and, Appendix 8.2C	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance monitoring: Section 8.2.3.1, Pages 8.2-17 and -18; Appendix 1.0, Page 29; and, Appendix 8.2C	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Commercial & recreational species: Section 8.2.1.5, Page 8.2-10	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Listed species: Table 8.2-1, Pages 8.2-4 to -7	Yes	

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/17/01

Technical Area: **Biological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Julie Colyer
Natasha Nelson

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Table 8.2-1, Pages 8.2-4 to -6; and, Section 8.4.1.2.2, Page 8.4-6	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species: Table 8.2-1, Pages 8.2-4 to -7	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Table 8.2-3, Pages 8.2-19 to -21	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency jurisdiction/permit table: Table 8.2-3, Pages 8.2-19 to -21	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Discussion of conformity with LORS: Section 8.2.5, Page 8.2-18; and, Table 8.2-3, Pages 8.2-19 to -21	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Table 8.2-3, Pages 8.2-19 to -21	Yes	

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/17/01

Technical Area: **Biological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Julie Colyer
Natasha Nelson

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit schedule: Table 8.2-4, Page 8.2-22	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/06/01

Technical Area: **Cultural Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Robin Palmer/Gary Reinoehl

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section : 8.3	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	Section Number: 8.3.1 to 8.3.1.4.3	Yes	Please provide a 1:24,000 scale map of the project area indicating areas of ethnographic occupation.

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/06/01

Technical Area: **Cultural Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Robin Palmer/Gary Reinoehl

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	Section Number: 8.3.1.5 to 8.3.1.5.4	NoYes	<p>The area has potential to contain cultural resources. Please submit the following technical reports: CH2M Hill, 2001 (5 linears); and survey reports for the area of the Los Esteros Substation (transmission interconnect) including a discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualifications of the individuals conducting the surveys shall be included.</p> <p>Under the Heading of "Architectural Reconnaissance," on page 8.3-13 there is a statement that the project team had not identified any potentially significant historic resources within the proposed project area.</p> <p>Please provide any Architectural Reconnaissance reports including a discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included. The survey shall include the buildings and structures within the project area, the linear facilities and adjacent to the project.</p> <p>Please include descriptions of cultural resources (buildings, structures, objects, sites, and districts) that could be affected either directly or indirectly by the project and an evaluation of the significance of the cultural resources.</p>

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/06/01

Technical Area: **Cultural Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Robin Palmer/Gary Reinoehl

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section: 8.3.2; Confidential Appendix.	Yes	
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Appendix 8.3	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	Appendix 1.0; Section 8.3.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table: 8.3-3	Yes	Please submit County of Santa Clara LORS with a discussion of the applicability of each.

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 9/06/01

Technical Area: **Cultural Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Robin Palmer/Gary Reinoehl

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.3-4	Yes	Section 8.3.5.1 states that a CWA 404 permit might be required from the ACOE, but that agency is not listed in table 8.3-4. Please identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local LORS.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.3.5	Yes	Please provide a discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.3-4	Yes	Contacts for the City of San Jose, and the County of Santa Clara have not been provided. The NAHC contact provided is no longer in their service. Please provide the name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	8.3.7	Yes	

Adequacy Issue:	Adequate <input checked="" type="checkbox"/> Inadequate <input checked="" type="checkbox"/>	DATA ADEQUACY WORKSHEET (Four Month Expedited Process)		Revision No. 01	Date 9/06/01
Technical Area:	Cultural Resources	Project:	Los Esteros Critical Energy Facility	Technical Staff:	Robin Palmer Gary Reinoehl
Project Manager:	Robert Worl	Docket:	01-AFC-12	Technical Senior:	Dale Edwards

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;		Yes	
§25552(e)(2) (All)	[a]ssure protection of public health and safety;		N/A	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Section 8.3.5	No Yes	Please provide a discussion of the conformity of the project with all applicable federal, state, and local laws, ordinances, and standards.
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal power plant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;		N/A	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/19/01

Technical Area: **Land Use**
Project Manager: **Robert Worl**

Project: **Los Esteros Critical Energy Facility**
Docket: **01-AFC-12**

Technical Staff: **Negar Vahidi**
Technical Senior: **Eileen Allen**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.4, Land Use, pages 8.4.1 through 8.4.24; and Section 8.9.1, pages 8.9-1 through 8.9-2, Section 8.9.3 and 8.9.4, pages 8.9-4 through 8.9-5	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Section 8.4.1, pages 8.4-2 through 8.4-8 Figures 8.4-2 through 8.4-4	No (see item (g) (3) (A) (iv) below) Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Section 8.4.1.2, Land Use, pages 8.4-5-8.4-8		
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Section 8.4.1.1.2 and 8.4.2, pages 8.4-5 and 8.4-8	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Section 8.4.5, pages 8.4-15 through 8.4-16	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/19/01

Technical Area: **Land Use**
Project Manager: Robert Worl

Project: Los Esteros Critical Energy Facility
Docket: 01-AFC-12

Technical Staff: Negar Vahidi
Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figures 8.4-1, 8.4-2, and 8.4-3 September 13, and 21, 2001 letters from Mr. Joseph Horwedel, Acting Director of the City of San Jose Planning Department, to Mr. Robert Worl of the California Energy Commission.	NoYes	Clarify jurisdictional boundaries for the City of Milpitas. Also, clearly label the affected areas and land uses, such as the sensitive receptors, recreation areas, etc. Provide map showing existing land uses within 1-mile radius of project site and 0.25 miles of project linear facilities Provide legible maps of land use and zoning designations (recommend larger, color maps to distinguish btwn designations)
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Section 8.4.6, pages 8.4-16 through 8.4-17	NoYes	Provide a discussion of the proposed facility's compatibility with land uses within 1-mile of LECF facility and 0.25-mile of linear facilities given the existence of sensitive receptors such as residential and recreational users State whether, affected agricultural lands are under Williamson Act Contracts. If so, discuss the compatibility of the proposed use with the policies and requirements of the Williamson Act.
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 8.9-2	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Section 8.9.1, pages 8.9-1 through 8.9-3	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/19/01

Technical Area: **Land Use**
Project Manager: Robert Worl

Project: Los Esteros Critical Energy Facility
Docket: 01-AFC-12

Technical Staff: Negar Vahidi
Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Section 8.4.1.2.1, page 8.4-6; Section 8.4.6, page 8.4-16; and Section 8.9.1, pages 8.9-1 through 8.9-3; and August 29, 2001 letter from Molly Penberth of the California Department of Conservation to Eileen Allen of the California Energy Commission.	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Section 8.9.2, pages 8.9-3 through 8.9-4	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Section 8.4.6, pages 8.4-16 through 8.4-17; and Section 8.9.2, pages 8.9-3 through 8.9-4	NoYes	Provide discussion of indirect impacts resulting from loss of Prime Agricultural Land
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.4, Tables 8.4-3, 4, 6 and 8, pages 8.4-9, 8.4-10, 8.4-18 and 8.4-20, respectively; and Section 8.9, Table 8.9-2, page 8.9-8	NoYes	Provide applicable plans and policies for agricultural uses of the affected jurisdictions given that the site's vicinity consists of agricultural uses

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/19/01

Technical Area: **Land Use**
Project Manager: Robert Worl

Project: Los Esteros Critical Energy Facility
Docket: 01-AFC-12

Technical Staff: Negar Vahidi
Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.4, Tables 8.4-3 and 4, pages 8.4-9, 8.4-10, respectively; and Section 8.9, Table 8.9-2, page 8.9-8 September 13, 2001 letter from Mr. Joseph Horwedel, Acting Director of the City of San Jose Planning Department, to Mr. Robert Worl of the California Energy Commission.	NoYes	Provide a table that clearly identifies each permit or approval required for the proposed project (including linear facilities) and the agency with jurisdiction to issue the permit
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.4, Table 8.4-6, pages 8.4-20 through 8.4-23	NoYes	Provide discussion of consistency of project development with regard to applicable plans and policies for agricultural uses of affected jurisdictions.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.4, Table 8.4-3, 4, 6 and 7, page 8.4-9, 10, 18 and 19, respectively Section 8.9, Table 8.9-3, page 8.9-8	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/19/01

Technical Area: Land Use
 Project Manager: Robert Worl

Project: Los Esteros Critical Energy Facility
 Docket: 01-AFC-12

Technical Staff: Negar Vahidi
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	<p>Section 8.4, Tables 8.4-3 and 4, pages 8.4-9, 8.4-10, respectively; and</p> <p>Section 8.9, Table 8.9-2, page 8.9-8</p> <p>September 13, 2001 letter from Mr. Joseph Horwedel, Acting Director of the City of San Jose Planning Department, to Mr. Robert Worl of the California Energy Commission.</p>	NoYes	Include a schedule of when applicable permits (i.e. rezoning action by City of San Jose) will be obtained, and the steps the applicant has taken or will be taken to obtain such permits/approvals.

Adequacy Issue:

Adequate ☒ Inadequate ☒**DATA ADEQUACY WORKSHEET**
(Four Month Expedited Process)

Revision No. 01 Date 8/13/019/18/01

Technical Area: **Land Use**

Project: Los Esteros Critical Energy Facility

Technical Staff: Negar Vahidi

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Eileen Allen

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Section 8.4.6, pages 8.4-16 through 8.4-17 Section 8.4, Table 8.4-6, pages 8.4-20 through 8.4-23 Section 8.9.2, pages 8.9-3 through 8.9-4	NoYes	Provide a discussion of proposed facilities' compatibility with land uses within 1 mile of LECEF facility and 0.25 mile of linear facilities, given the existence of sensitive receptors such as residential and recreational users within one mile.
§25552(e)(2) (All)	[a]ssure protection of public health and safety;		N/A	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Section 1.1, p.1-1 and Section 8.4.1.1.2, p.8.4-5 September 13, and 21, 2001 letters sent to Mr. Robert Worl of the CEC by Joseph Horwedel, Acting Director of the City of San Jose Planning Department.	NoYes	Provide a schedule for the City of San Jose's rezoning action.
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related facilities, if licensed on the expedited schedule..., will be in service before December 31, 2002;		N/A	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			
§25552(e)(5)(A) (Project Overview)	[t]hat the thermal powerplant will cease to operate and the permit will terminate within three years; or		N/A	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.5: pp. 8.5-15 and 8.5-19	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 8.4-2 and Section 8.5.2: Figure 8.5-1	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L10, L50, and L90 values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	Section 8.5.2.2 and Appendix 8.5 Table NO-1 through 8	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Construction: Tables 8.5-15 and 17 Operational: not found Section 2.9 and Attachment NO-1 of 9/14 AFC Data Adequacy Response.	No Yes	Model referenced on p. 8.5-15. Provide model output. Describe major operational noise sources including starts, stops, and commissioning.
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Section 8.5: pp. 8.5-15 and 8.5-19	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Tables 8.5-15 and 8.5-17 Figure 8.5-7 Plan in Section 8.7.3.2.5	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	Figures 5.5-14 through 17	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.5-11	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.5-18	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not found. Section 2.9 of 9/14 AFC Data Adequacy Response.	No Yes	Section 8.5.6 describes conformity with the previous CREC. Summarize project conformity with LORS during operation and construction.

Adequacy Issue:

Adequate

X

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No.

01

Date

8/14/019/20/01

Technical Area:

Noise

Project:

Los Esteros Critical Energy Facility Phase I

Technical Staff:

Brewster Birdsall

Project Manager:

Robert Worl

Docket:

01-AFC-12

Technical Senior:

Lynn Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.5-18	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	None required.	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET (Four Month Expedited Process)

Revision No. 01 Date 8/14/019/20/01

Technical Area: Noise

Project: Los Esteros Critical Energy Facility Phase I

Technical Staff: Brewster Birdsall

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Lynn Buntin/Alexander

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Appendix 1E	Yes	
§25552(e)(2) (All)	[a]ssure protection of public health and safety;	Appendix 1E	Yes	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Appendix 1E	Yes	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;	Appendix 1E	Yes	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/4030/2001

Technical Area: **Paleontological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dal Hunter

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections: 8.16.1 (pages 8.16-2 through 8.16-6), 8.16.2 (pages 8.16-11 through 8.16-12), 8.16.3 (page 8.16-12), 8.16.4 (pages 8.16-12 through 8.16-13) Table: 8.16-1 (page 8.16-7)	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Sections: 8.16.1.1 (page 8.16-2), 8.16.1.2 (pages 8.16-2 through 8.16-3), 8.16.1.5 (pages 8.16-5 through 8.16-11) Table 8.16-1 (page 8.16-7)	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Sections: 8.16.1.3 (page 8.16-3), 8.16.1.4 (page 8.16-4), 8.16.1.5 (pages 8.16-5 through 8.16-11) Table: 8.16-1 (page 8.16-7)	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Sections: 8.16.1 (pages 8.16-2 through 8.16-11) Table: 8.16-1 (page 8.16-7)	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/4030/2001

Technical Area: **Paleontological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dal Hunter

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Sections: 8.16.1.5 (Pages 8.16-5 through 8.16-11)	NoYes	No map or appendix provided.
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Sections: 8.16.4 (page 8.16-13)	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sections: 8.16.5 (pages 8.16-13 through 8.16-14), 8.16.6 (page 8.16-15), 8.16.7 (page 8.16-15) Table: 8.16-2 (page 8.16-14)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section: 8.16.6 (page 8.16-15)	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/4030/2001

Technical Area: **Paleontological Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dal Hunter

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section: 8.16.5 (page 8.16-13 through 8.16-14)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section: 8.16.6 (page 8.16-15)	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section: 8.16.7 (page 8.16-15)	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET (Four Month Expedited Process)

Revision No. 01 Date 8-14-04 8-28-01

Technical Area: Project Overview

Project: Los Esteros Critical Energy Facility

Technical Staff: Robert Worl

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Paul Richins

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;		N/A	
§25552(e)(2) (All)	[a]ssure protection of public health and safety;		N/A	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;		N/A	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;	§ 2.2.14, page 2-13	Yes	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			
§25552(e)(5)(A) (Project Overview)	[t]hat the thermal powerplant will cease to operate and the permit will terminate within three years; or		N/A	
§25552(e)(5)(B) (Air Quality)	[t]hat the thermal powerplant will be recertified, modified, replaced, or removed within a period of three years with a cogeneration or combined-cycle thermal powerplant that uses best available control technology and obtains necessary offsets, as determined at the time the combine-cycle thermal powerplant is constructed, and that complies with all other applicable laws, ordinances, and standards;	§ 1.1, page 1-1; § 2.2.2, page 2-4, 2-5 § 2.11; Supplement	No Yes Yes	Please provide a statement regarding the time frame for initiating Phase II within the required 3 year span.

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date August 14, 2001
September 11, 2001

Technical Area: **Public Health**
Project Manager: Robert Worl

Project: Los Esteros Critical Energy Facility
Docket: 01-AFC-12

Technical Staff: Alvin Greenberg
Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.6.1 Sec. 8.6.2.2.1 Table 8.6-3 Table 8.6-4 Table 8.6-5	No Yes	Must provide a discussion of the expected direct and indirect impacts due to pre-construction and construction activities, and proposed mitigation.
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Sec. 8.6.2.2 Table 8.6-1	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 8.6.2.2 Table 8.6-2	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.		No Yes	Figure 8.6-2 is missing from the AFC. Please provide it.
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Fig. 8.6-1A and B	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~August 14~~
September 11, 2001

Technical Area: **Public Health**
Project Manager: Robert Worl

Project: Los Esteros Critical Energy Facility
Docket: 01-AFC-12

Technical Staff: Alvin Greenberg
Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.6-7	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.6-8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.6-7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.6-8	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No N/A	Please provide a table showing a schedule for obtaining the necessary permits.

Adequacy Issue:

Adequate

☒

Inadequate

☒

DATA ADEQUACY WORKSHEET
(Four Month Expedited Process)

Revision No.

01

Date

August14
September 11, 2001

Technical Area:

Public Health

Project:

Los Esteros Critical Energy Facility

Technical Staff:

Alvin Greenberg

Project Manager:

Robert Worl

Docket:

01-AFC-12

Technical Senior:

Mike Ringer

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Sec. 8.6.2.2.1	No Yes	Public health impacts due to pre-construction site preparation and construction equipment diesel exhaust must be provided as well as proposed mitigation.
§25552(e)(2) (All)	[a]ssure protection of public health and safety;	Sec. 8.6.2.2.1	No Yes	See above
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Sec. 8.6.2.2.1 Sec. 8.6.2.2.2 Sec. 8.6.3.1 Table 8.6-7	No Yes	See above
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;	Sec. 2.1 Sec. 2.2	Yes	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC, Vol I 8.8.2 Affected Environment, page 8.8-1. Construction Impacts, pages 8.8-11 to 8.8-13. Table 8.8-10 Estimated Construction Personnel for Plant and Substation Construction, page 8.8-12. Operational Impacts, pages 8.8-14 to 8.8-16. 8.8.4 Cumulative Impacts, page 8.8-16. Mitigation Measures, page Revised AFC 8/31/2001, Indirect and Induced Economic Impacts from Construction, pages 8.8-11 to 8.8-12.	No Yes	Please provide income and employment Multipliers and impact analysis for direct and secondary (indirect and induced) components.
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:			

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Economy and Employment, pages 8.8-4 to 8.8-5. Table 8.8-4 Employment Distribution in the San Jose MSA, 1995-2000, page 8.8-4. Table 8.8-5 San Jose MSA Employment Data, 2000 (average), page 8.8-5. Resources, 8.8-6 to 8.8-8. Table 8.8-8 Santa Clara County Budget Appropriations for FY 2000, FY 2001, and FY 2002 Recommendations (\$000s), pages 8.8-6 and 8.8-7. Table 8.8-9 San Jose Revenues and Expenditures by Fund (\$000s), pages 8.8-7 to 8.8-8.	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Population, pages 8.8-2 to 8.8-3. Table 8.8-1 Historical and Projected Population, page 8.8-2. Table 8.8-2 Historical and Projected Annual Compounded Population Growth Rates, page 8.8-2.	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Economy and Employment, pages 8.8-4 to 8.8-5. 8.8-5 San Jose MSA Employment Data, 2000 (average), page 8.8-5. Revised AFC 8/31/2001 8.8.2.3 Economy and Employment, page 8.8-4.	No-Yes	Please provide an estimate of projected unemployment rates.

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Economy and Employment, pages 8.8-4 to 8.8-5. Table 8.8-6 Labor Union Contacts, page 8.8-5. Table 8.8-7 Available Labor by Skill in Santa Clara County, 1997 to 2004, page 8.8-5. AFC Vol. II Appendix 8.1 Records of conversation of Labor Force Availability in Santa Clara County.	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Housing, page 8.8-3. Table 8.8-3 Selected Housing Data for Santa Clara County, page 8.8-3.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	2.6 Public Services, pages 8.8-8 to 8.8-10. Education, page 8.8-8. Utilities, page 8.8-10. Impacts to Education, page 8.8-13. Impacts to Public Services and Facilities, page 8.8-13. AFC Vol. II Appendix 8.1 Records of conversation with the Sheriff, Police, Hazardous Material Handling, and Fire Departments. Impacts to Utilities, page 8.8-13. Impacts to Education, page 8.8-15. Impacts to Public Services and Facilities, page 8.8-15. Impacts to Utilities, page 8.8-15.	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:			
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Construction Workforce, page 8.8-11. Table 8.8-10 Estimated Construction Personnel for Plant and Substation Construction, page 8.8-12. Table 8.8-11 Construction Personnel Requirements for Pipeline Construction by Type, Month 3, page 8.8-13.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Construction Workforce, page 8.8-11. Table 8.8-10 Estimated Construction Personnel for Plant and Substation Construction, page 8.8-12. Table 8.8-11 Construction Personnel Requirements for Pipeline Construction By Type, Month 3, page 8.8-13. Operational Workforce, page 8.8-14. Population Impacts, page 8.8-14. 8.10.2.3 Construction Phase Impacts, pages 8.10-12 and 8.10-13.	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Population Impacts, page 8.8-14. Operational Workforce, page 8.8-14.	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Housing Impacts, page 8.8-14. 8.8.3.3.3 Housing Impacts, page 8.8-11.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	8.8.2.5 Education, page 8.8-8 Public Services, pages 8.8-8 to 8.8-10. Utilities, page 8.8-10. Impacts to Education, page 8.8-13. Impacts to Public Services and Facilities, page 8.8-13. Impacts to Utilities, page 8.8-13.	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	8.8.3.4.5 Impacts to Education, page 8.8-15.	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	8.8.3.3.4 and 8.8.3.4.4 Impacts to the Economy, pages 8.8-11 and 8.8-14. 8.8.3.3.8 Fiscal Impacts, page 8.8-14.	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Same as above.	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	8.8.3.3.8 Fiscal Impacts, page 8.8-14. 8.8.3.4.8 Fiscal Impacts, pages 8.8-15 to 8.8-16.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/31/2001

Technical Area: **Socioeconomics**

Project: Los Esteros Critical Energy Facility

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS, pages 8.8-17 and 8.8-18. Table 8.8-12 Laws, Ordinances, Regulations, and Standards Applicable to Socioeconomics, pages 8.8-17 and 8.8-18.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Same as above.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	8.8.6 Mitigation Measures, page 8.8-17. 8.8.7.4 Codes, page 8.8-19.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	8.8.8 Involved Agencies and Agency Contacts, page 8.8-19.	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	8.8.9 Permits and Permitting Schedule, page 8.8-19.	N/A	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/14/01

Technical Area: **Soil Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Joe Crea

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.9.1, Page 8.9-1 to 4 Section 8.2.2.2, Page 8.2-11 to 18	No Yes	Please submit a thorough discussion on the cumulative impacts related to erosion and sedimentation.
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 8.9-1 Supplement to AFC, Figure 8.9-1	No Yes	Provide legible mapping that identifies all aspects of the project (e.g. linear facilities) with respect to the soil types to be impacted during construction and operation of the project.
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Section 8.9.1.7, Page 8.9-2 Table 8.9.1, Page 8.9-7	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Table 8.9.1, Page 8.9-7	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:			
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Section 8.9.1.8, Page 8.9-2 to 3	N/A	Not typically applied to non-ag.-related activities
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Section 8.2.2.3 Page 8.2-15 Section 8.2.4, Page 8.2-18	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/13/01 9/14/01

Technical Area: **Soil Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Joe Crea

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 8.9-2 & 8.9-3, Page 8.9-8 Tables 8.14-4 & 8.15-5, Page 8.14-20 to 21	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 8.9-2 & 8.9-3, Page 8.9-8 Tables 8.14-4 & 8.14-5, Page 8.14-20 to 21	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.9-2, Page 8.9-8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.9-3, Page 8.9-8	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.14-5, Page 8.14-21 Section 8.9-6, Page 8.9-5 to 6	Yes	

Adequacy Issue:	Adequate <input checked="" type="checkbox"/> Inadequate <input checked="" type="checkbox"/>	DATA ADEQUACY WORKSHEET		Revision No. 0-1	Date 8/14/01 9/20/01
		(Four Month Expedited Process)			
Technical Area:	Soil Resources	Project:	Los Esteros Critical Energy Facility	Technical Staff:	Joe Crea
Project Manager:	Robert Worl	Docket:	01-AFC-12	Technical Senior:	Dick Anderson

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Section 7 Section 8.14: Section 8.14.5, p.8.14-13 to 15 Section 8.14.6, p.8.14-15	No Yes	Staff cannot address this issue at this time, due to the lack of information regarding erosion and sediment control,
§25552(e)(2) (All)	[a]ssure protection of public health and safety;	Section 8.6 Section 8.9.3, p.8.9-4	Yes	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Tables 8.9-2 & 8.9-3, p.8.9-8	Yes	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;	Section 1.1 Tables 8.9-2 & 8.9-3, p.8.9-8	Yes	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			
§25552(e)(5)(A) (Project Overview)	[t]hat the thermal powerplant will cease to operate and the permit will terminate within three years; or	Section 4.2 Supplement to AFC, Section 2.16, p.41	No Yes	Section 4.2 of the AFC identifies the planned life of the generation facility to be 30 years

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/10/01

Technical Area: **Traffic and Transportation**

Project: Los Esteros Critical Energy Facility

Technical Staff: Matt Darrow

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 8.10.1, 8.10.1.1, 8.10.1.4, 8.10.1.5, 8.10.2.2, 8.10.2.3	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	AFC Sections 2.1 and 8.10.1.3; Figures 2.1-1 and 8.10-1	No Yes	Provide the required maps at a 1:250,000 scale.
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	AFC Figure 2.1-1 Section 8.10.1, 8.10.1.1, 8.10.1.4, 8.10.1.5	No Yes	Include light rail, bike trails, bus routes, etc. on the map.
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	AFC Section 8.10.1.1	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	AFC Section 8.10.1.3, Table 8.10-1	No Yes	Table 8.10-1 provides some existing intersection level of service (LOS) data. Provide the existing traffic volumes; specifically daily average and peak traffic counts.
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	AFC Section 8.10.1.3, 8.10.2, 8.10.2.1, 8.10.2.2, 8.10.2.3, Table 8.10-1, 8.10-2, and 8.10.5	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/10/01

Technical Area: **Traffic and Transportation**

Project: Los Esteros Critical Energy Facility

Technical Staff: Matt Darrow

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	AFC Section 8.10.1.2	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	AFC Section 8.10.1.2	Yes	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.		NoYes	State the presence, or lack thereof, any roadway features affecting public safety such as sharp turns, railroad crossings, etc.
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	AFC Figure 2.1-2	NoYes	Provide a detailed description of project-related access roads and how they will accommodate both the construction and operation traffic volumes. Clarify whether the access roads shown in Fig. 2.1-2 are existing or proposed.
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	AFC Section 8.10.2, 8.10.2.1, 8.10.2.2, 8.10.2.3, Table 8.10-4 and 8.10-5	Yes	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	AFC Section 8.10.2.2, 8.10.2.3, Table 8.10-3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/10/01

Technical Area: **Traffic and Transportation**

Project: Los Esteros Critical Energy Facility

Technical Staff: Matt Darrow

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Table 8.10-6	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Table 8.10-7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 8.10.2.2, 8.10.2.3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Table 8.10-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Table 8.10-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/43 9/12/01

Technical Area: Transmission System Eng.

Project: Los Esteros Critical Energy Facility

Technical Staff: Mark Hesters

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Page 2-8 DA Responses Page 20	NoYes	Provide the ratings of the conductor that is being used between LECEP and the Los Esteros substation and the first point of interconnection to the PG&E grid for the two alternatives.
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	Pages 5-1 to 5-5	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Pages 5-1 to 5-8 Appendix 5.1-A DA Response – attachment TSE-1	NoYes	Provide load flow diagrams demonstrating conformance or non-conformance with utility reliability and planning criteria for the first year of operation. Power flow diagrams (MW/%) must be provided for base case with and without the project. Powerflow diagrams must be provided for all n-0, n-1 and n-2 studies where overloads or voltage violations appear. NOTE: Data requests will be forthcoming for an electronic copy of Power flow base cases (*.sav files) for GE PSLF program and for the transient stability analysis and post transient voltage analysis ¹ .

¹ Given the short 4 month process a limited scope study may cause process delays.

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/43 9/12/01

Technical Area: **Transmission System Eng.**

Project: Los Esteros Critical Energy Facility

Technical Staff: Mark Hesters

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Page 5-1 to 5-8	Yes	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Page 5-3 Appendix 5	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		N/A	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 5-17 (table 5.6-1)	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/13 9/12/01

Technical Area: **Transmission System Eng.**

Project: Los Esteros Critical Energy Facility

Technical Staff: Mark Hesters

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pages 5-20 and 5-21 (table 5.6-7)	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 78 and 79 of Technical Conditions	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.			
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	DA Response Page 20	NoYes	Indicate when the System Impact Study will be complete, with the transient stability and post-transient voltage analysis, and when preliminary approval is expected from the California Independent System Operator.

Adequacy Issue:

Adequate ☒ Inadequate ☒**DATA ADEQUACY WORKSHEET**
(Four Month Expedited Process)

Revision No. 01 Date 8/43 9/12/2001

Technical Area:

Transmission System Engineering

Project:

Los Esteros Critical Energy Project

Technical Staff:

Mark Hesters

Project Manager:

Robert Worl

Docket:

01-AFC-12

Technical Senior:

Al McCuen

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Generation Transmission Interconnection Study DA Responses 20-21 Attachment TSE-1	No Yes	Provide load flow diagrams demonstrating conformance or non-conformance with utility reliability and planning criteria for the first year of operation. Where mitigation measures are required for conformance indicate the measures that will be adopted in association with the project. The project identifies three possible interconnection routes depending on whether or not the Los Esteros substation is complete. Mitigation for overloads caused by the preferred alternative but not for either of the two options must be provided. NOTE: Data requests will be forthcoming for an electronic copy of Power flow base cases (*.sav files) for GE PSLF program and for the transient stability analysis and post transient voltage analysis ² .
§25552(e)(2) (All)	[a]ssure protection of public health and safety;	Pages 5-17 to 5-21	Yes	

² Given the short 4 month process a limited scope study may cause process delays.

Adequacy Issue:	Adequate <input checked="" type="checkbox"/> Inadequate <input checked="" type="checkbox"/>	DATA ADEQUACY WORKSHEET		Revision No. 01	Date 8/43 9/12/2001
	(Four Month Expedited Process)				
Technical Area:	Transmission System Engineering	Project:	Los Esteros Critical Energy Project	Technical Staff:	Mark Hesters
Project Manager:	Robert Worl	Docket:	01-AFC-12	Technical Senior:	Al McCuen

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Pages 5-17 to 5-21	Yes	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities (sic), if licensed on the expedited schedule..., will be in service before December 31, 2002;	Generation Transmission Interconnection Study DA Responses 20-21 Attachment TSE-1	No Yes	Significant transmission mitigation measures could jeopardize the project. These measures need to be identified for each of the transmission line alternatives.

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date September 18, 2001

Technical Area: **Visual Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 8.11-3; Section 8.11.1.2 Pages 8.11-11 – 8.11-15; Sections 8.11.2.3, 8.11.3, and 8.11.4 Pages 8.11-9 – 8.11-10; Section 8.11.2.2 Pages 44-47; Appendix 1.0 DA Response P. 52; Section 2.20	No Yes	The Executive Summary of the AFC states (page 1-3) that if the Los Esteros Substation is not completed in a timely manner, an alternative interconnection to the electrical grid would be a temporary wood pole, 2,000-foot long transmission line from the project site to the intersection of Zanker Road and State Route 237. The Visual Section of the AFC only addresses the visual impacts of the short interconnection to the planned Los Esteros Substation. Please discuss the potential visual impacts of the alternative 2,000-foot long transmission line.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 8.11-1 – 8.11-2; Section 8.11.1.1 Pages 8.11-3 – 8.11-4; Sections 8.11.1.2 – 8.11.1.3	Yes	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 8.11-1 and 8.11-2 Revised Figure 8.11-1	No Yes	Figure 8.11-1 is not presented at a scale of 1:24,000. Also, the figures presented in the Visual Section do not identify all the view areas most sensitive to potential visual impacts, such as residential areas in the vicinity of the project. Please provide topographic maps at a scale of 1:24,000 showing the areas from which the project may be seen and identifying the view areas most sensitive to the potential visual impacts of the project.
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Page 8.11-3; Section 8.11.1.2.1 DA Response P. 53; Section 2.20 Attachments VR-1A – 1C	No Yes	Please give the height of the major visible existing structures on the site, such as the greenhouses.

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date September 18, 2001

Technical Area: **Visual Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 8.11-1 – 8.11-2; Section 8.11.1.1 Page 8.11-3; Section 8.11.1.2	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 8.11-6 – 8.11-7; Sections 8.11.1.4.1 – 8.11.1.4.2	Yes	
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 8.11-4 – 8.11-7; Section 8.11.1.4 DA Response Pages 53-54; Section 2.20; Figure VR-1	No Yes	The AFC does not indicate that the applicant consulted with CEC staff or community residents to identify the scenic corridors and any visually sensitive areas potentially affected by the project. The applicant selected two key observation points (KOPs) from which to evaluate potential visual impacts. The two areas selected were viewpoints along Highway 237 and Zanker Road. No residential views were selected for analysis. However, the residential community of Alviso is located about 1.8 miles northwest of the project site and a mobile home community is located about 0.6 miles southwest of the project site. CEC staff may request the establishment of additional KOPs in the discovery phase after conducting a field reconnaissance. Please provide an estimate of the number of residences with views of the project.
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Pages 8.11-9 – 8.11-10; Section 8.11.2.2.1 DA Response Page 54; Section 2.20	No Yes	Please describe the material of the proposed 8-foot high sound wall to be installed around the southern and eastern sides of the site.

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date September 18, 2001

Technical Area: **Visual Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 8.11-3A – 8.11-4C	Yes	If CEC staff requests the establishment of a KOP or KOPs in addition to those provided in the AFC (see comment above), additional existing view photographs and simulations from these viewing areas will be necessary.
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 8.11-11 – 8.11-15; Sections 8.11.2.3, 8.11.3, and 8.11.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 8.11-16; Table 8.11-3 DA Response Tables VR-1 and VR-2; Pages 56-60; Section 2.20	No Yes	See comments below for Appendix B (h) (2).
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 8.11-16; Table 8.11-3	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date September 18, 2001

Technical Area: Visual Resources

Project: Los Esteros Critical Energy Facility

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	<p>Pages 8.11-17 – 8.11-19; Sections 8.11.5.2 – 8.11.5.4</p> <p>DA Response Tables VR-1 and VR-2; Pages 56-60; Section 2.20</p> <p>DA Response Section 2.8; Attachment LU-2</p>	No Yes	<p>The AFC states (Table 8.11-5) that except for the proposed structure height, "the project would not conflict with the development guidelines and standards outlines (sic) in the Alviso Master Plan to maintain the community character of Alviso."</p> <p>The AFC does not specify these guidelines and standards or discuss how the project will conform to them.</p> <p>In regard to the Alviso Master Plan guidelines for Lands Outside the Village Area, the AFC states (Table 8.11-5) that the project will be designed to conform with the "development standards, building design, parking and service areas and storage yard requirements outlines (sic) in the guidelines for industrial development." However, the AFC does not specify what these requirements are or how the project intends to comply with them.</p> <p>In regard to the City of San Jose Zoning Ordinance, the AFC states (page 8.11-19) that because the site is zoned Agriculture/Planned Development (A/PD), and this designation allows development requirements to be tailored to meet specific area and development needs, the project will be consistent with the City's zoning ordinance. However, the AFC does not specify what these requirements are or how the project will comply with them.</p> <p>Please specify the applicable development guidelines and standards from the Alviso Master Plan and Zoning Ordinance (i.e., the A/PD Zoning for project site) related to visual resources and discuss how the project intends to conform to them.</p>

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date September 18, 2001

Technical Area: Visual Resources

Project: Los Esteros Critical Energy Facility

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 8.11-16; Table 8.11-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET (Four Month Expedited Process)

Revision No. 01 Date September 18, 2001

Technical Area: **Visual Resources**

Project: Los Esteros Critical Energy Center

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Appendix 1.0; Pages 44-47 Pages 8.11-13- 8.11-15; Section 8.11.3 DA Response P. 61; Section 2.21	No Yes	The Executive Summary of the AFC states (page 1-3) that if the Los Esteros Substation is not completed in a timely manner, an alternative interconnection to the electrical grid would be a temporary wood pole, 2,000-foot long transmission line from the project site to the intersection of Zanker Road and State Route 237. The Visual Section of the AFC only addresses the visual impacts of the short interconnection to the planned Los Esteros Substation. Please discuss the potential visual impacts of the alternative 2,000-foot long transmission line, and whether any measures are necessary to mitigate significant adverse impacts associated with the line.
§25552(e)(2) (All)	[a]ssure protection of public health and safety;		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

(Four Month Expedited Process)

Revision No. 01 Date September 18, 2001

Technical Area: **Visual Resources**

Project: Los Esteros Critical Energy Center

Technical Staff: Eric Knight

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dale Edwards

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	AFC Appendix 1.0; Pages 44-47 DA Response Tables VR-1 and VR-2; Pp. 56-60; Section 2.20 DA Response Pp. 61-62; Section 2.21 DA Response Section 2.8; Attachment LU-2	No Yes	<p>The AFC identifies the San Jose General Plan, Alviso Master Plan, and zoning ordinance as applicable LORS.</p> <p>The AFC identifies (Table 8.11-4) that the project will not comply with the General Plan 45 foot height limitation. The AFC identifies an exception to exceed the height limitation, and states that "height limits for the project will be established in the context of project review."</p> <p>The AFC states (Table 8.11-5) that the project will not "include elements and materials typical of seaside styles" in conformance with the Alviso Master Plan design guidelines. In addition, the AFC states (Table 8.11-5) that "the project will be designed to conform with the remaining development standards, building design, parking and service areas and storage yard requirements outlines (sic) in the guidelines for industrial development." However, the AFC does not specify what these requirements are or how the project intends to comply with them.</p> <p>The AFC states (page 8.11-19) that the project will be consistent with the zoning ordinance (i.e., the planned development zoning approved for the site). However, the AFC does not identify the specific development standards related to visual resources and how the project intends to comply with them. In addition, the Land Use section of the AFC states (page 8.4-5) that "a rezoning application is being submitted to make minor modifications consistent with this AFC." These modifications as they relate to visual resources are not identified.</p> <p>The AFC needs to include a description of the proposed conditions of certification that will result in compliance with all local laws, ordinances, and standards.</p>

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/14/01 9/11/01

Technical Area: **Waste Management**

Project: Los Esteros Critical Energy Facility

Technical Staff: Alvin Greenberg

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sec. 8.13.2.3 Sec. 8.13.4	Yes	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 4.1 Sec. 4.2 Sec. 8.13.4.4	Yes	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.13.1.2 Sec. 8.13.1.4 Sec. 8.13.2.1	Yes	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix 8.13	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/14/01 9/11/01

Technical Area: **Waste Management**

Project: Los Esteros Critical Energy Facility

Technical Staff: Alvin Greenberg

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 8.13.2.2 Sec. 8.13.2.2.3 Sec. 8.13.2.3 Table 8.13-1	Yes	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Table 8.13-2	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 8.13.2.1 Sec. 8.13.2.2 Sec. 8.13.2.3 Sec. 8.13.4 Table 8.13-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 8.13.7 Table 8.13-3	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/14/01 9/11/01

Technical Area: **Waste Management**

Project: Los Esteros Critical Energy Facility

Technical Staff: Alvin Greenberg

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.13-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	sec. 8.13.7 sec. 8.13.9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	table 8.13-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No N/A	A schedule for obtaining permits is needed

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/14/01 9/14/01

Technical Area: **Water Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Joe Crea

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 1.1, Page 1-1 to 3 Section 2.1.2, Page 2-2 to 4 Section 8.14.1.1 & 8.14.1.2, Page 8.14-1 to 2 Section 8.14.2 Page 8.14-3 to 9 Section 8.14.3, Page 8.14-9 to 10 Section 8.14.4, Page 8.14-10 to 13 Section 8.14.5, Page 8.14-13 to 15 Section 8.14.7, Page 8.14-5 to 16	Yes	
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Table 8.14-4, Page 8.14-20 Appendix 8.14	Yes	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Section 8.14.10, Page 8.14-19 Table 8.14-4, Page 8.14-20	Yes	
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:			

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/14/01 9/14/01

Technical Area: **Water Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Joe Crea

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 8.14.1.1, Page 8.14-1 to 2 Section 8.14.4.1, Page 8.14-10 Figures 8.14-1 & 2	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Section 8.14.1.2, Page 8.14-2 Supplement to AFC, Figure 8.14-4	No Yes	Provide legible mapping (suggested scale less than 1"=100') that depicts locations of all linear facilities, laydown and power block areas with respect to contours and all nearby watercourses. The proposed map should provide a legible visual depiction of the Coyote Creek and its by-pass channel as well as the Artesian Slough.
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Section 8.14.1.3, Page 8.14-3 Figure 8.14-3 Section 8.14.1.2, Page 8.14-2	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Section 7 Section 2.2.7, Page 2-8 to 9 Section 8.14.2, Page 8.14-3	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 8.14-1, Page 8.14-4 to 5 Table 8.14-2, Page 8.14-7 to 8 Figure 7-1	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/14/01 9/14/01

Technical Area: **Water Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Joe Crea

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Appendix 8.14 Sections 7.1 to 7.4.6	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Figure 2.2-4 Section 2.2.7, Page 2-8 to 9 Section 7 Section 8.14.2, Page 8.14-3 to 9	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:			
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Section 8.14.3, Page 8.14-9 to 10 Section 8.14.5.1, Page 8.14-13 to 14	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Section 8.14.3.1, Page 8.14-9 Figure 8.14-4 Sections 7.4.5 & 7.4.6, Page 7-5 Supplement to AFC, Figure 8.14-4 Supplement to AFC , Page 38	No Yes	Please provide complete and detailed drawings that exhibit all stormwater infrastructures associated with the proposed project (stormwater pipe routes and discharge locations, inlets, oil/water separator locations). Please provide pre vs. post hydrologic calculations and design specifications/calculations for the proposed stormwater management basins.
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 0-1 Date 8/14/01 9/14/01

Technical Area: **Water Resources**

Project: Los Esteros Critical Energy Facility

Technical Staff: Joe Crea

Project Manager: Robert Worl

Docket: 01-AFC-12

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Section 8.14.2.4, Page 8.14-6 & 7 Sections 7.1 and 7.2, Page 7-1 to 2	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Section 8.14.4., Page 8.14-10 to 13	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 8.14.1.3, Page 8.14-3 Figure 8.14-3 Supplement to AFC, Letter from Federal Emergency Management Agency (FEMA), dated 7/10/97 and supporting figures depicting FEMA map revisions	No Yes	Section 8.14.1.3 references a "Letter of Map Revision" by the Federal Emergency Management Agency (FEMA) provided within Appendix 8.14-A. However, App. 8.14-A does not exist. Please provide a copy of the Letter of Map Revision by FEMA.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.14-4, Page 8.14-20 Supplement to AFC, Table WR-1	No Yes	Please explicitly reference the pages in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.14-5, Page 8.14-21	Yes	

Adequacy Issue:

Adequate

X

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No.

0-1

Date

8/14/01 9/14/01

Technical Area:

Water Resources

Project:

Los Esteros Critical Energy Facility

Technical Staff:

Joe Crea

Project Manager:

Robert Worl

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01-AFC-12

Technical Senior:

Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.14-4, Page 8.14-20 Supplement to AFC, Table WR-1	No Yes	See discussion provided in Appendix B (h) (1) (A)
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.14-5, Page 8.14-21	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.14-5, Page 8.14-21 Section 8.14-9, Page 8.14-19	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒ **DATA ADEQUACY WORKSHEET** Revision No. 01 Date 8/14/01 9/20/01
 (Four Month Expedited Process)
 Technical Area: **Water Resources** Project: Los Esteros Critical Energy Facility Technical Staff: Joe Crea
 Project Manager: Robert Worl Docket: 01-AFC-12 Technical Senior: Dick Anderson

SB 28 SHER REQUIREMENTS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§25552(e)	...the application shall...include a description of the proposed conditions of certification that will do all of the following:			
§25552(e)(1) (All)	[a]ssure that the thermal powerplant and related facilities will not have a significant adverse effect on the environment as a result of construction or operation;	Section 7 Section 8.14: Section 8.14.5, p.8.14-13 to 15 Section 8.14.6, p.8.14-15	No Yes	Staff cannot address this issue at this time, due to the lack of information regarding stormwater quality and quantity, and flood hazard.
§25552(e)(2) (All)	[a]ssure protection of public health and safety;	Section 8.6 Section 8.14.5, p.8.14-13 to 15 Section 8.14.6, p.8.14-15	Yes	
§25552(e)(3) (All)	[r]esult in compliance with all applicable federal, state, and local laws, ordinances, and standards;	Tables 8.14-4 & 8.15-5, p.8.14-20 to 21	Yes	
§25552(e)(4) (All)	[a] reasonable demonstration that the thermal powerplant and related faciities, if licensed on the expedited schedule..., will be in service before December 31, 2002;	Section 1.1 Tables 8.14-4 & 8.15-5, p.8.14-20 to 21	Yes	
§25552(e)(5)	[a] binding and enforceable agreement with the commission, that demonstrates either of the following:			
§25552(e)(5)(A) (Project Overview)	[t]hat the thermal powerplant will cease to operate and the permit will terminate within three years; or	Section 4.2 Supplement to AFC, Section 2.16, p.41	No Yes	Section 4.2 of the AFC identifies the planned life of the generation facility to be 30 years